

shy 17/05

Work Order ID 58448

May 7, 2010 10:07:47 AM



Page 1

Item ID:	D412-702-345	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	4-Man Aft Facing Shoulder Harness, 3 point					
Start Date:	07/05/2010	Start Qty:	1.00			
Required Date:	14/05/2010	Req'd Qty:	1.00			
Reference:				Cust Item ID:		
				Customer:		

Approvals:	Process Plan:		Date:	10-5-07	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI9511	A								

100



DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile & type labels per PPP D412-702-345 CHG001

0.00

0.00

8 w/05/17

HJ GA BG 10/05/17

110



Packaging

Packaging

Pick Kit

Memo

0.00

0.00

10-5-11 SP

120



QC

Quality Control

QC4- 100% Inspect kits for completeness

Memo

0.00

0.00

8 w/05/17

(40)

Work Order ID 58448

May 7, 2010 10:07:47 AM



Page 2

Item ID: D412-702-345

Accept



Revision ID:

Setup Start



Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Stop



Start Date: 07/05/2010 Start Qty: 1.00



Required Date: 14/05/2010 Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130



Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D412-702-345

Location:

PPP Rev:

51
*Draft**10-5-17* *Q* *Q*

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/05/17 *H**W 10/05-17*

Picklist Print

May '7, 2010 10:07:51 AM

Page 1

Work Order ID: 58448

Parent Item: D412-702-345

Parent Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
D412-702-311 Harness Assembly		Manufactured	No			110	Each	0.0000	1			
D412-702-313 Harness Assembly		Manufactured	No			110	Each	0.0000	1			
D412-702-321 Harness Assembly		Manufactured	No			110	Each	0.0000	1			
D412-702-323 Harness Assembly		Manufactured	No			110	Each	0.0000	1			
D3572-041 Guide Assembly		Manufactured	No			110	Each	4.0000	2			

B58459 10-5-175

B58457 10-5-175

B58458 10-5-175

B58456 10-5-175

10-5-14

10-5-14

Location

ST260

55679

Loc Qty

4

4

Loc Code

110

Each

165.0000

AN4-16A

Bolt

Purchased

No

Location

ST358

114129

114330

114523

Loc Qty

165

15

50

100

Loc Code

2

Picklist Print

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Page 2

Work Order ID: 58448

Parent Item: D412-702-345

Parent Item Name: 4-Man Aft Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status																											
AN4-25A BOLT		Purchased	No			110	Each	106.0000	4		10-5-14	SP																											
<table><tr><th>Location</th><th>Loc Qty</th><th>Loc Code</th></tr><tr><td>ST360</td><td>106</td><td></td></tr><tr><td>104438</td><td>6</td><td></td></tr><tr><td>111605</td><td>50</td><td></td></tr><tr><td>114330</td><td>50</td><td></td></tr></table>													Location	Loc Qty	Loc Code	ST360	106		104438	6		111605	50		114330	50													
Location	Loc Qty	Loc Code																																					
ST360	106																																						
104438	6																																						
111605	50																																						
114330	50																																						
AN4-27A Bolt		Purchased	No			110	Each	26.0000	4		10-5-14	SP																											
<table><tr><th>Location</th><th>Loc Qty</th><th>Loc Code</th></tr><tr><td>ST360</td><td>26</td><td></td></tr><tr><td>113538</td><td>26</td><td></td></tr></table>													Location	Loc Qty	Loc Code	ST360	26		113538	26																			
Location	Loc Qty	Loc Code																																					
ST360	26																																						
113538	26																																						
AN960JD416 Washer	114570	Purchased	No			110	Each	0.0000	20		11-4-5-70 10-5-14	SP																											
MS21042L4 Nut		Purchased	No			110	Each	2,456.000	6		10-5-14	SP																											
<table><tr><th>Location</th><th>Loc Qty</th><th>Loc Code</th></tr><tr><td>ST139</td><td>2</td><td></td></tr><tr><td>111827</td><td>2</td><td></td></tr><tr><td>ST300</td><td>2098</td><td></td></tr><tr><td>113422</td><td>96</td><td></td></tr><tr><td>114523</td><td>1994</td><td></td></tr><tr><td>9063</td><td>8</td><td></td></tr><tr><td>ST463</td><td>356</td><td></td></tr><tr><td>114416</td><td>356</td><td></td></tr></table>													Location	Loc Qty	Loc Code	ST139	2		111827	2		ST300	2098		113422	96		114523	1994		9063	8		ST463	356		114416	356	
Location	Loc Qty	Loc Code																																					
ST139	2																																						
111827	2																																						
ST300	2098																																						
113422	96																																						
114523	1994																																						
9063	8																																						
ST463	356																																						
114416	356																																						

May 7, 2010 10:07:51 AM

Shop Packet Print

Page 2

REFERENCE ONLY

PARTS LIST

TABLE 2

QTY	QTY	QTY	QTY	QTY	QTY	Part Number	Description
						D412-702-341	Dart 13-Man 3-Point Shoulder Harness Kit
						D412-702-343	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X				D412-702-345	Dart 4-Man 3-Point Air Facing Shoulder Harness Kit
			X			D412-702-347	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X		D412-702-349	Dart 1-Man 3-Point Forward Shoulder Harness Kit
					X	D412-702-351	Dart 1-Man 3-Point Shoulder Harness Kit
			1	1		D412-702-059	GROMMET KIT
			4	1	1	D3761-1-041	HOOK AND LOOP STRIP (DSI 9408)
			1			D412-702-301	HARNESS ASSEMBLY (NEW)
			1*			D3573-7	ADAPTER
			1*			D4088-041	SHOULDER HARNESS (NEW)
			4*			MS24693S272	SCREW
			4*			AN960JD10LL	WASHER
			4*			MS21042L3	NUT
			1			D412-702-303	HARNESS ASSEMBLY (NEW)
			1*			D3573-8	ADAPTER
			1*			D4088-041	SHOULDER HARNESS (NEW)
			4*			MS24693S272	SCREW
			4*			AN960JD10LL	WASHER
			4*			MS21042L3	NUT
			1			D412-702-305	HARNESS ASSEMBLY (NEW)
			1*			D3573-1	ADAPTER
			1*			D4088-041	SHOULDER HARNESS (NEW)
			4*			MS24693S273	SCREW
			4*			AN960JD10LL	WASHER
			4*			MS21042L3	NUT
				1		D412-702-307	HARNESS ASSEMBLY (NEW)
				1*		D3573-3	ADAPTER
				1*		D4088-041	SHOULDER HARNESS (NEW)
				4*		MS24693S272	SCREW
				4*		AN960JD10LL	WASHER
				4*		MS21042L3	NUT
						D412-702-309	HARNESS ASSEMBLY (NEW)
						D3573-3	ADAPTER
						D4088-041	SHOULDER HARNESS (NEW)
						MS24693S272	SCREW
						AN960JD10LL	WASHER
						MS21042L3	NUT

* denotes that part is included in assembly above

continued next page...

DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANDON
JAN 10 1941
APPROVED
BY: [Signature]
DATE: 10.03.22
CERT. NO.: 24067
ISSUED TO: [Signature]

DESIGN	Q	DART AEROSPACE LTD	
DRAWN	Q	HAWKESBURY, ONTARIO, CANADA	
CHECKED	J	DRAWING NO.	REV. A
MFG. APPL.	N/A	DSI 9511	SHEET 3 OF 6
APPROVED	[Signature]	TITLE	SCALE
DE APPR.	[Signature]	NEW SHOULDER HARNESS KITS	NTS
DATE	10.03.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD	

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)					
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

...continued from previous page

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
		1				D412-702-311	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-1	BRACKET
		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	SCREW
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
		1				D412-702-313	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-2	BRACKET
		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	SCREW
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
		1				D412-702-315	HARNESS ASSEMBLY (NEW)
4*		1*				D3573-5	ADAPTER
1*		1*				D4088-041	SHOULDER HARNESS (NEW)
4*		4*				MS24693S272	SCREW
4*		4*				AN960JD10LL	WASHER
4*		4*				MS21042L3	NUT
		1				D412-702-317	HARNESS ASSEMBLY (NEW)
1*		1*				D3573-5	ADAPTER
1*		1*				D4088-041	SHOULDER HARNESS (NEW)
4*		4*				MS24693S272	SCREW
4*		4*				AN960JD10LL	WASHER
4*		4*				MS21042L3	NUT
		1				D412-702-321 /	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-3	BRACKET
		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	BOLT
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
		1				D412-702-323 /	HARNESS ASSEMBLY (NEW)
4*		1*				D3570-4	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	BOLT
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT

* denotes that part is included in assembly above

continued next page...

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
D40 501-0-01

APPROVED

BY: *[Signature]*
(17 SEP 2002, 15:02)

DATE: 10.03.18
CERT. NO.: 8-147
ISSUE NO.

DESIGN	<i>99</i>	DART AEROSPACE LTD	
DRAWN	<i>99</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>1</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9511	SHEET 4 OF 6
APPROVED	<i>140</i>	TITLE	SCALE
DE APPR.	<i>140</i>	NEW SHOULDER HARNESS KITS	NTS
DATE	10.03.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

...continued from previous page

QTY	QTY	QTY	QTY	QTY	QTY	Part Number	Description
2	2					D3542-1	BRACKET
2	2		4	1		D3571-1	GUIDE
2	2					D3571-3	GUIDE
12	6	2				D3572-041	GUIDE ASSEMBLY
2	2		6	2		D3578-041	DOUBLER
2	2					D3610-041	BRACKET
4	4					D3618-1	CAP
2		2				AN4-10A	BOLT
4		4				AN4-16A	BOLT
4		4				AN4-25A	BOLT
2	2					AN4-27A	BOLT (DSI 9469)
2	2					AN4-44A	BOLT
2	2					MS24693S274	SCREW
10	2		8	1		MS24694S56	SCREW
1				1		MS24694S58	SCREW
20	6	20				MS24694S60	SCREW
4	4					AN960JD416	WASHER
12	6	6				AN960JD416L	WASHER
24	12		12	4		MS21042L4	NUT
						CR3212-4-4	RIVET

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

APPROVED
BY: *[Signature]*
D. STEPHEN (J. #02)

DATE: 08.22
CERT. NO. 91047
ISSUE NO. 3

DESIGN	<i>92</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	<i>92</i>	
CHECKED	<i>92</i>	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9511 SHEET 5 OF 6
APPROVED	<i>140</i>	TITLE SCALE
DE APPR.	<i>TH</i>	NEW SHOULDER HARNESS KITS NTS
DATE	10.03.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD

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NOTE: Date & initial all entries